

SEQUENCE LISTING

<110> Simmons, Carl R.
Yalpani, Nasser
Acevedo, Pedro A. Navarro
Tossberg, John T.

<120> Major Latex Protein Gene and Promoter
and Their Uses

<130> 35718/237948

<150> 60/231,418
<151> 2000-09-05

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<170> FastSEQ for Windows Version 4.0

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Met Ala Ser Lys Val Glu Leu Val Val Glu Val
1 5 10

aag tcc ccg gct gac aag ctg tgg gcg gctg cgt gac tcg acg gag 158
Lys Ser Pro Ala Asp Lys Leu Trp Ala Ala Leu Arg Asp Ser Thr Glu
15 20 25

ctg ttc ccc aag atc ttc ccc gag cag tac aag agc atc gag acc gtc 206
Leu Phe Pro Lys Ile Phe Pro Glu Gln Tyr Lys Ser Ile Glu Thr Val
30 35 40

gag ggc gac ggc aag tcg gcc ggc acc gtc cgc ctc ctc aag tac acc 254
Glu Gly Asp Gly Lys Ser Ala Gly Thr Val Arg Leu Leu Lys Tyr Thr
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Glu Ala Val Pro Met Leu Thr Phe Ala Lys Glu Lys Leu Glu Thr Ala
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gac gac gag aac aag gtg gtg tcg tac acg gtg gtg gac ggc gag ctg 350
Asp Asp Glu Asn Lys Val Val Ser Tyr Ser Val Val Asp Gly Glu Leu
80 85 90

gcg gac ttc tac aag aac ttc aag atc acg ctg aag gtg act ccg gcc 398
Ala Asp Phe Tyr Lys Asn Phe Lys Ile Thr Leu Lys Val Thr Pro Ala

| | | | | | | | | | | | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 95 | 100 | 105 | | | | | | | | | | | | | | |
| aag | gag | ggc | gag | ggc | ggc | gcc | gtc | gtc | agc | tgg | gcc | atg | gag | ttc | 446 | |
| Lys | Ala | Glu | Gly | Glu | Gly | Gly | Ala | Val | Val | Ser | Trp | Ala | Met | Glu | Phe | |
| 110 | | | | | | | | | | | | | | | 120 | |
| gac | aag | gcc | aac | gac | cag | gtg | cct | gac | ccg | gac | gtc | atc | aag | gag | acc | 494 |
| Asp | Lys | Ala | Asn | Asp | Gln | Val | Pro | Asp | Pro | Asp | Val | Ile | Lys | Glu | Thr | |
| 125 | | | | | | | | | | | | | | | 135 | |
| gcc | acc | aag | acg | ttc | cac | gac | ctc | gac | tac | ctc | ctc | aag | aac | tag | 542 | |
| Ala | Thr | Lys | Thr | Phe | His | Asp | Leu | Asp | Asp | Tyr | Leu | Leu | Lys | Asn | * | |
| 140 | | | | | | | | | | | | | | | 145 | |
| atggagcgag | aactggagat | ggtccagtac | agtacagttc | cagttcattc | atcgacgcgt | 602 | | | | | | | | | | |
| cacagtttac | tagtgcacgt | cgctgggtgt | gtgtgggtgc | cgtgctgggtt | ccttaatttgc | 662 | | | | | | | | | | |
| cttactatgt | agctacgtac | cgcggtccgt | gtccttgcgt | ctggctgatg | tttgctgcct | 722 | | | | | | | | | | |
| gcgtccgtcg | tgcattccgac | gacgtgtcg | tgcgttgcgc | accggtcctc | cgagtcaata | 782 | | | | | | | | | | |
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| Met | Ala | Ser | Lys | Val | Glu | Leu | Val | Val | Glu | Val | Lys | Ser | Pro | Ala | Asp |
| 1 | | | | | | | | | | | | | | | 15 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Leu | Trp | Ala | Ala | Leu | Arg | Asp | Ser | Thr | Glu | Leu | Phe | Pro | Lys | Ile |
| | | | | | | | | | | | | | | | 20 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Phe | Pro | Glu | Gln | Tyr | Lys | Ser | Ile | Glu | Thr | Val | Glu | Gly | Asp | Gly | Lys |
| | | | | | | | | | | | | | | | 35 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Ala | Gly | Thr | Val | Arg | Leu | Leu | Lys | Tyr | Thr | Glu | Ala | Val | Pro | Met |
| | | | | | | | | | | | | | | | 50 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Thr | Phe | Ala | Lys | Glu | Lys | Leu | Glu | Thr | Ala | Asp | Asp | Glu | Asn | Lys |
| | | | | | | | | | | | | | | | 65 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Val | Ser | Tyr | Ser | Val | Val | Asp | Gly | Glu | Leu | Ala | Asp | Phe | Tyr | Lys |
| | | | | | | | | | | | | | | | 85 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asn | Phe | Lys | Ile | Thr | Leu | Lys | Val | Thr | Pro | Ala | Lys | Ala | Glu | Gly | Glu |
| | | | | | | | | | | | | | | | 100 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Gly | Ala | Val | Val | Ser | Trp | Ala | Met | Glu | Phe | Asp | Lys | Ala | Asn | Asp |
| | | | | | | | | | | | | | | | 115 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gln | Val | Pro | Asp | Pro | Asp | Val | Ile | Lys | Glu | Thr | Ala | Thr | Lys | Thr | Phe |
| | | | | | | | | | | | | | | | 130 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|-----|
| His | Asp | Leu | Asp | Asp | Tyr | Leu | Leu | Lys | Asn | | | | | | 145 |
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<210> 3

<211> 1030

<212> DNA

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| gatgcata | ctgctgagag | ataacatcac | aattcacaag | cttcgatgtc | actacagcct | 120 |
| acagccatc | cgagcagggc | gctttaggacg | gccgtcaata | acttggagga | actgccaaga | 180 |

atgtggatta caacagttct atctgagcga cagtctaaac gcagctttgt atagtcattt 240
ttatctcccc aaccggcatt agtaagcagg cccccaacgc attcaaattc gatgttaattg 300
tctacttcat tttggttcag atttgaacga tgtcagttc aatccacatg caacagaatc 360
cgcagaagaa ttcatccaat tcacacataa agcagcaaca gaagttaaac cataaacatc 420
caattaacga gttgcattt agatcttta gagaggacaa cctgggctgc agacgagaca 480
aattcggcat caacaacctt ttgcgcaca agtaatgtt ggtttaggcct gaaccgctcg 540
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caaggctctgg 1030